



COST ASSESSMENT DATA ENTERPRISE

cPet Desktop:
Industry Preparer Guide
FlexFile & Quantity Data Reports



Table of Contents

This cPet Desktop Guide will enable the Industry Preparer to execute the following:

- › Use FlexFile & Quantity Excel Templates to Generate JSON Submission Files
- › Populate CSDR Plan Metadata into FlexFile & Quantity Templates
- › Validate File Format against the File Format Specifications
- › Validate FlexFile & Quantity JSON Files against the approved CSDR (DD 2794) Plan
- › Create & View Legacy 1921 formats
- › View Government Reviewer “Pivot” Exports Prior to Submission



Quick Links:

- [Getting Started](#)
- [Generating a FlexFile JSON File](#)
- [Generating a Quantity JSON File](#)
- [FlexFile and Quantity Data & CSDR Plan Validation](#)
- [Generating Submission Reviewer Files 1921 Legacy & FlexFile Pivot](#)

For additional implementation & training materials:

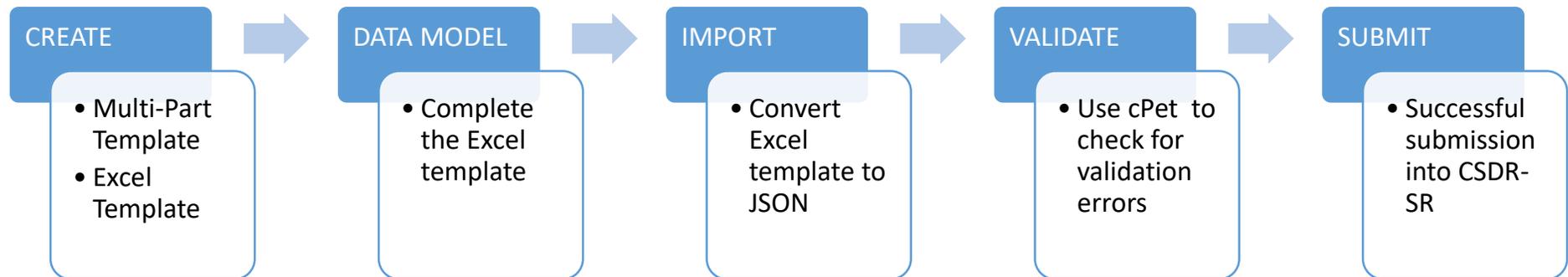
<https://cade.osd.mil/policy/flexfile-quantity>





Getting Started

- As an *Industry Data Preparer*, there are multiple features within cPet Desktop to assist users in the creation and validation of the FlexFile and Quantity Reports
- Key cPet Functions:
 - Create FlexFile & Quantity Excel Template from CSDR Plan
 - Import FlexFile & Quantity Excel Templates and Validate Format against File Format Specification (FFS)
 - Generate JSON FlexFile & Quantity Submission Zip File Formats
 - Generate Legacy 1921 and FlexFile Pivot “Reviewer” Files
 - Validate FlexFile & Quantity Formats against 2019 FlexFile CSDR Plan



Create FlexFile & Q Excel Templates

Complete Data Model/Template

Import Excel Template into cPet

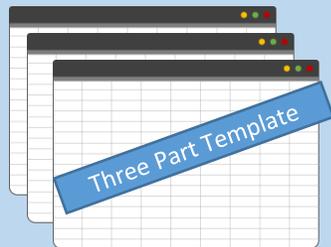
Validate FlexFile & Quantity Data Reports

Getting Started: Process Overview

Creation of FlexFile Template

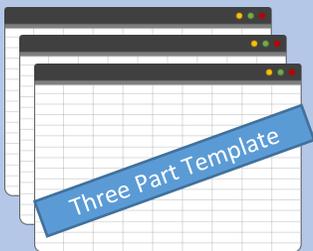


Upload XML Plan

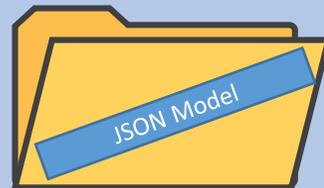


- User can create an empty Excel template with information from the XML CSDR Plan
 - Upload XML plan into cPet and generate an empty Excel template
 - These templates will contain information from the plan
 - Basic Metadata
 - WBS Structure
 - Order/Lots (as identified by the plan)
 - End Items (as identified by the plan)

Creation of JSON File



Upload Filled out Excel Template



- User then imports a completed Excel template to generate the JSON file
 - cPet will generate errors to show where the imported file does not adhere to the DEI/FFS
 - Once the errors are corrected, cPet will generate a JSON file that adheres to the DEI/FFS & can be ingested into CADE
 - Upload the JSON file to CADE



Getting Started: Downloading cPet

Getting Started

Create FlexFile & Q Excel Templates

Complete Data Model/Template

Import Excel Template into cPet

Validate FlexFile & Quantity Data Reports

The screenshot shows the CADE website interface. At the top, there is a navigation bar with the CADE logo and links for 'Request CADE Account How to Register', 'CADE Portal', and 'FACADE'. Below this is a main navigation menu with categories: 'Who We Are', 'CADE Users', 'Policy & Guidance', 'FlexFiles', 'Tools', 'Training', and 'News'. The 'Tools' menu is expanded, showing 'Explore Tools', 'Other Cost Tools', 'VAMOSOC Task Force', 'CSDR Tools', and 'Unified Code Counter - Government (UCC-G)'. The 'CSDR Tools' sub-menu is further expanded to show 'Cost Planning & Execution Tool (cPET)'. Below the navigation, the 'Cost Planning & Execution Tool (cPET)' section is visible, containing a description of the tool and a list of features. A red box highlights the link 'To download cPet, Click Here' in the list. A red arrow points from this link to a 'cPet Download' form. The form has the following fields: Name, Phone Number, Email, and Organization, each with a corresponding input box. A 'Submit' button is located at the bottom of the form.

- Navigate to the CADE Tools page (<https://cade.osd.mil/tools/csdr-tools>) and scroll down to the Cost Planning & Execution Tool (cPET)
- Under the cPet section, users can click on a link to download cPet
- Users will be directed to the cPet Download registration page
- Enter POC information and click Submit
- Follow the directions on how to download the cPet from the zip file located on the page



Generating a FlexFile JSON File

Step 1: Access the Flex File Conversion Tool

Getting Started

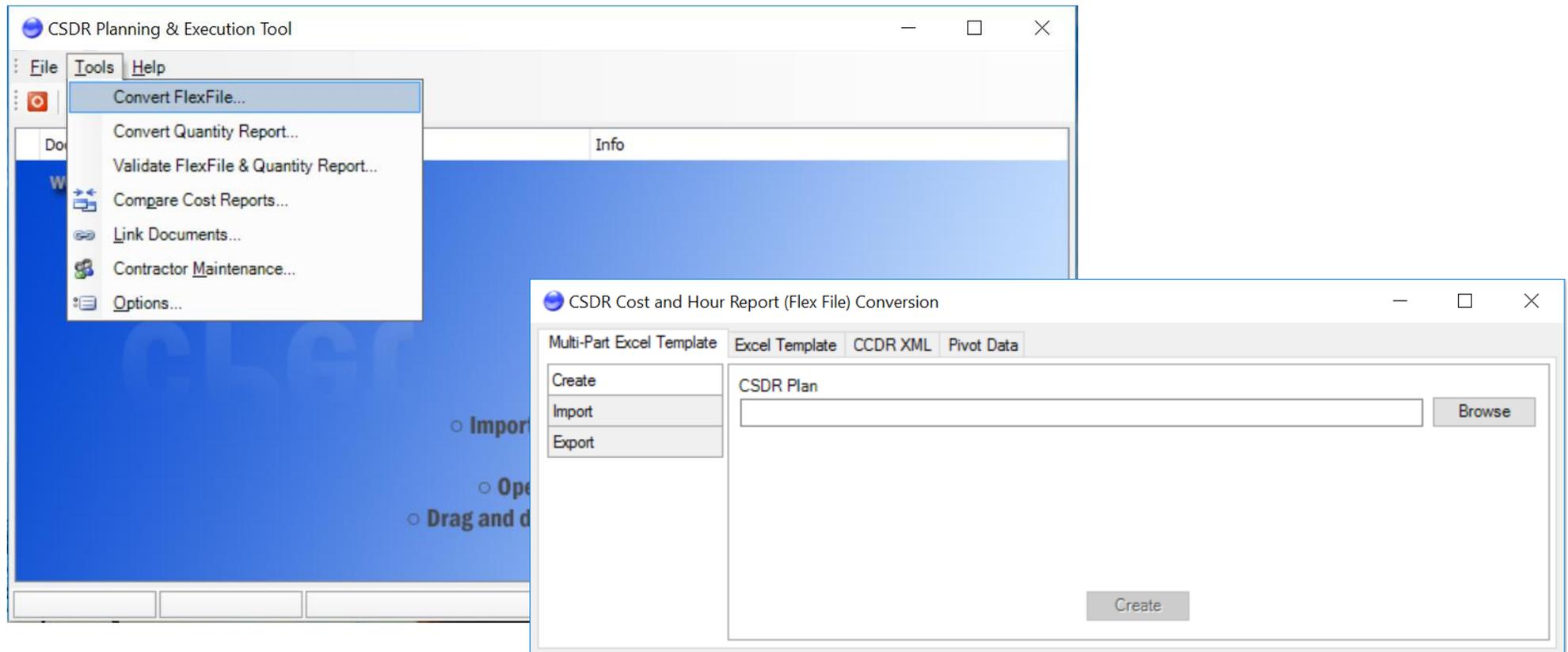
Create FlexFile &
Q Excel
Templates

Complete Data
Model/Template

Import Excel
Template
into cPet

Validate FlexFile &
Quantity Data
Reports

- In order to create the FlexFile Excel templates, the user must access the **Flex File Conversion Tool**
- Click **Tools > Convert FlexFile**



Excel Template Creation Options

Getting Started

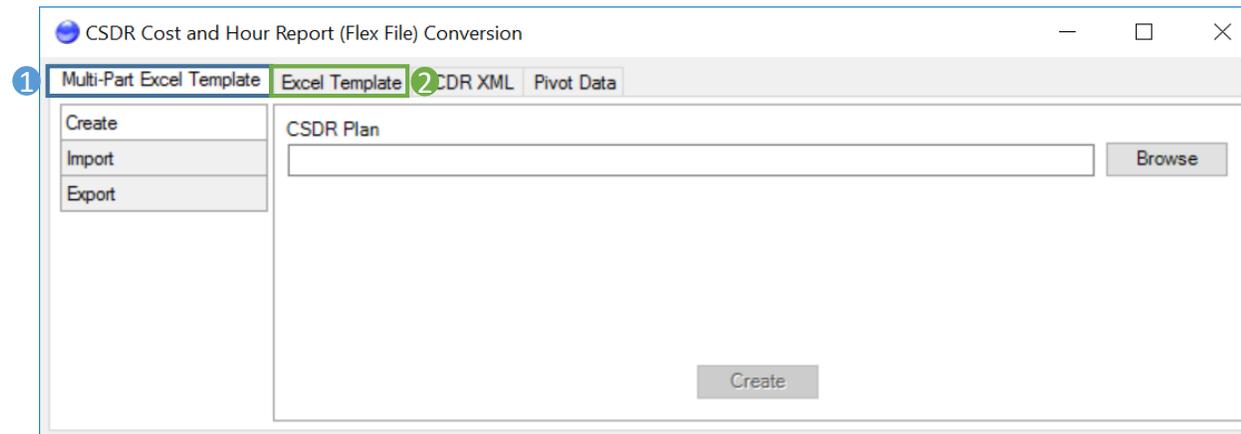
Create FlexFile &
Q Excel
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Model/Template

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Template
into cPet

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Quantity Data
Reports

- The user has the option to generate the FlexFile JSON file using one of two Excel template options:



1

Multi-Part Excel Template:

- Breaks the required format tables into three parts:
 - FlexFile Template Part 1 – Metadata & Structures
 - FlexFile Template Part 2 – Actual Cost-Hour Data
 - FlexFile Template Part 3 – Supplemental Data
- Allows for one-time creation of Part I & III for initial submission, with updates to Part II, only for subsequent submissions
- Breaks the format validation errors into smaller, manageable reports

2

Excel Template:

- Includes ALL required tables in one Excel file
- Version control narrowed down to a single file
- Format error reporting extended to all tables

**Instructions in this guide will cover 1. Multi-Part Excel Template, but can easily be applied to 2. Excel Template*

Step 2: Create FlexFile Excel Template from Contract Plan

Getting Started

Create FlexFile & Q Excel Templates

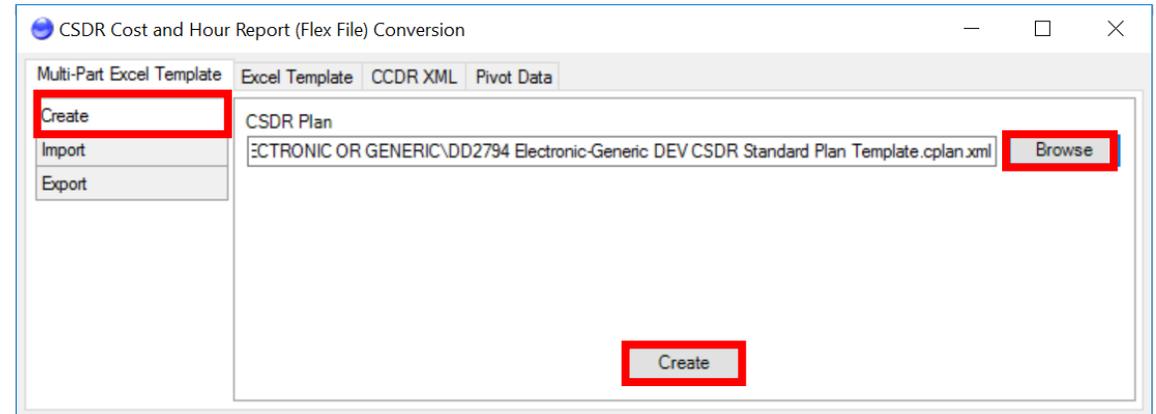
Complete Data Model/Template

Import Excel Template into cPet

Validate FlexFile & Quantity Data Reports

Begin by creating the FlexFile template:

- The user can create a **Multi-Part Excel Template** from the approved CSDR (DD2794) XML Plan which will generate the following templates in Excel:
 - FlexFile Template Part 1 – Metadata & Structures
 - FlexFile Template Part 2 – Actual Cost-Hour Data
 - FlexFile Template Part 3 – Supplemental Data
- To create, click **Browse > Select XML DD 2794 Plan > Create**
 - cPet will save the Excel templates to the original file where the user retrieved the DD2794 source file



- Demo Contract Plan -- 2019 Version FF Template - Part 1
- Demo Contract Plan -- 2019 Version FF Template - Part 2
- Demo Contract Plan -- 2019 Version FF Template - Part 3

Step 3: Completing the Multi-Part Excel FlexFile Template

Getting Started

Create FlexFile & Q Excel Templates

Complete Data Model/Template

Import Excel Template into cPet

Validate FlexFile & Quantity Data Reports

- Using the CSDR Plan, cPet will auto-populate a subset of the required Metadata, WBS, End Item, and Order/Lot fields as a starting point; it's now up to the user to complete the other required tables:

1	CSDR Cost and Hour Report (Flex File) Multi-Part Template
2	Part 1 - Metadata and Version 1.0
3	Part 2 - Actual Cost-Hour Data and Version 1.0
4	Part 3 - Supplemental Data and Version 1.0
5	Worksheets:
6	1 FAC Cost-Hour Data
7	2 Summary Remarks
8	3 WBS Element Remarks
9	4 WBS Dictionary Definitions
10	5 Cost-Hour Tag Definitions

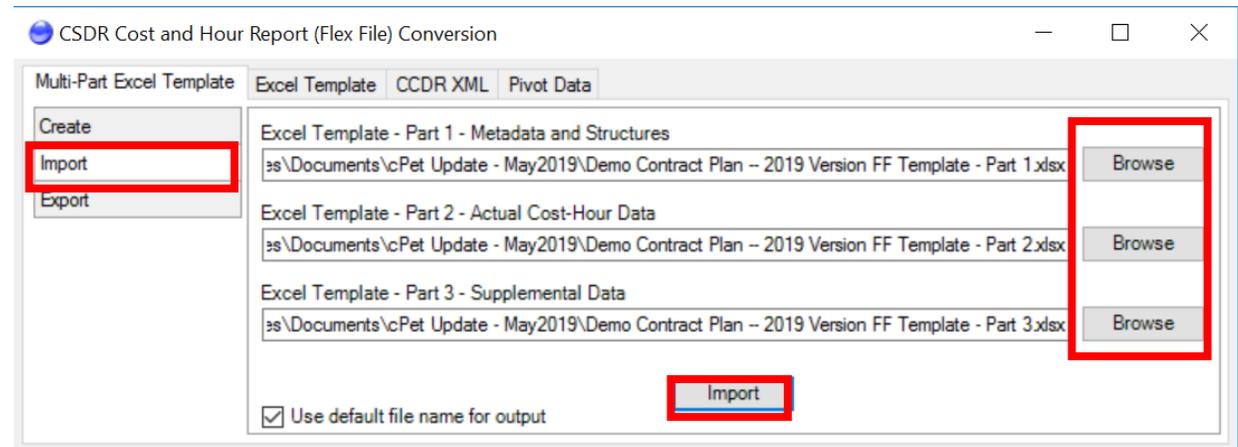
Note: For more detail on completing the Multi-Part Part Template, users can view the **Cost and Hour Report (FlexFile) Data Item Description, FlexFile & Quantity Implementation Guide, FlexFile File Format Specification(FFS) and the FlexFile Data Exchange Instructions (DEI)** – located on the CADE public website: <https://cade.osd.mil/policy/flexfile-quantity>

Step 4: File Format Validation

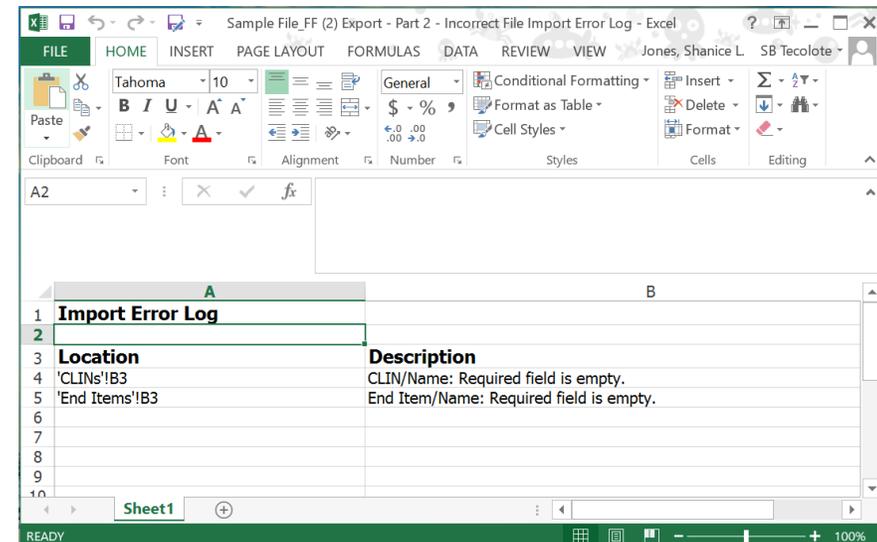
Getting Started

Create FlexFile &
Q Excel
TemplatesComplete Data
Model/TemplateImport Excel
Template
into cPetValidate FlexFile &
Quantity Data
Reports

- Once the Multi-Part Excel template is complete, the user can now **Import** the completed **Multi-Part Excel Template** into cPet to generate the FlexFile **Import Error Log**
- Make sure Import is selected: Click **Browse > Select File & Upload > Import**
- cPet will generate an Excel report to show where the imported file does not adhere to the DEI/FFS
- This report will be located in the source folder where the templates are stored on the user's hard drive



A JSON file will not generate unless the files are compliant with the DEI/FFS



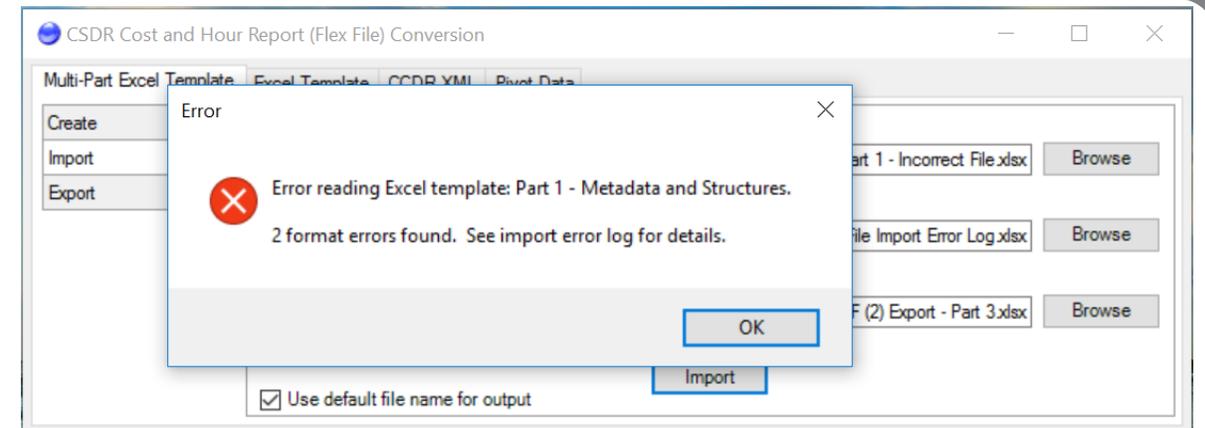
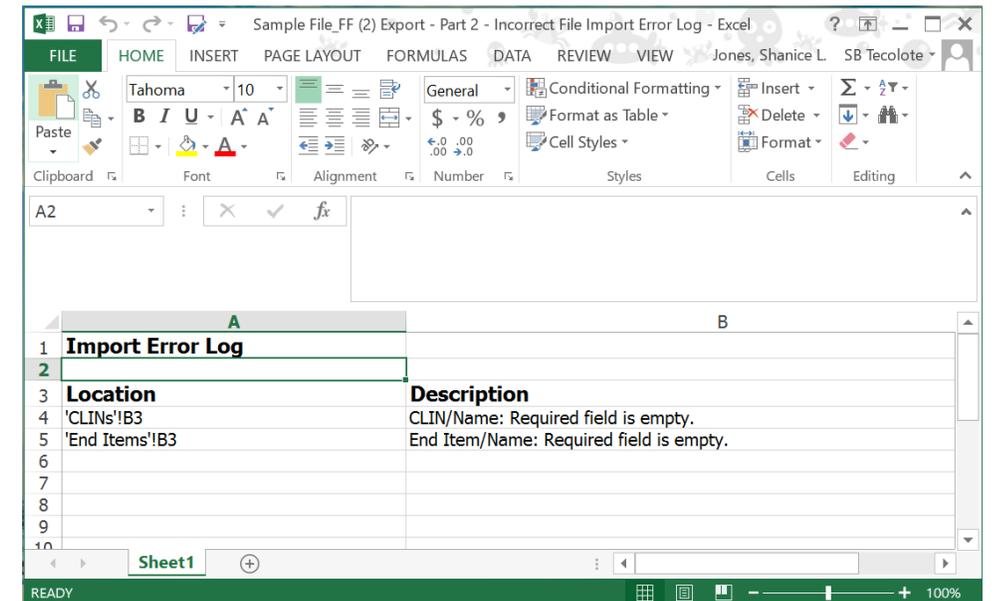
Step 5: File Format Validation: Error Reporting

Getting Started

Create FlexFile &
Q Excel
TemplatesComplete Data
Model/TemplateImport Excel
Template
into cPetValidate FlexFile &
Quantity Data
Reports

- The format validation error report will generate an **Import Error Log** by error type, as defined in the Data Exchange Instructions (DEI) and File Format Specification (FFS)
- The error report will identify the error type, as well as the table and cell where the error exists
- The user must correct all identified errors listed by type across the identified tables and cells
- When all errors identified by the single error type are complete, the user must re-upload the Excel templates to generate the next error type
- The user should repeat this process until cPet does not identify any additional errors

** See next slide for an entire list of the errors*

The screenshot shows an Excel spreadsheet titled 'Sample File_FF (2) Export - Part 2 - Incorrect File Import Error Log - Excel'. The spreadsheet has a table with the following data:

Location	Description
'CLINs'!B3	CLIN/Name: Required field is empty.
'End Items'!B3	End Item/Name: Required field is empty.

The spreadsheet also shows a header row for 'Import Error Log' and a status bar at the bottom indicating 'READY' and '100%' zoom.



FlexFile Format Errors

Getting Started

Create FlexFile &
Q Excel
TemplatesComplete Data
Model/TemplateImport Excel
Template
into cPetValidate FlexFile &
Quantity Data
Reports

Error	Explanation	Example
Invalid ID reference	A foreign key was reported that is not found in the corresponding data table	End Item ID "4" was reported in the Actual Cost Hour data table but was not found in the CLIN data table
Text value expected	The value reported is not a text value (i.e. string or string ID)	End Item ID "3" is being read in as the number 3 as opposed to a text value "3"
Integer value is expected	The value reported is not an integer	Reporting Period ID is being read in as "1" as opposed to the number 1
String value has invalid whitespace	The value reported has two or more consecutive whitespaces, whitespace at the beginning or end of the string	End Item Name "Variant A" has two spaces between the "Variant" and the "A"
Required field is empty	There is a blank value in a field that is identified as non-nullable by the FFS	End Item ID in the Actual Cost Hour data table is identified as non-nullable by the FFS
Conditionally required field is empty	There is a field that was left empty that is identified as conditional	If the contractor does not identify a Unit or Sublot ID in the Actual Cost Hour data table, then End Item ID must not be null
Conditionally prohibited field is not empty	There is a value in a field that is identified as conditional	If the contractor does identify a Unit Or Sublot ID in the Actual Cost Hour data table, then End Item ID must be null
Invalid Cost-Hour Datum WBS Element ID	Costs are being reported to a parent level WBS Element ID in the Actual Cost Hour table	Costs are being reported to WBS Element ID 1.1 when 1.1.1 is the lowest level of the WBS
Record is not unique	The same record is reported for a field that is identified as a primary key in the FFS	Account ID "000001" is reported twice in the Account data table
Invalid Reporting Period Start Date	The start date must be 1 day later than the end date of the previous record	The End Date of the previous record is 2/29/2016 and the next Start Date is 3/3/2016
Invalid Reporting Period ID	The order of record is significant for the reporting period and the records must have a sequential ID with the values starting at 1	The reporting period does not start at 1 OR the reporting period is not in sequential order 1, 2, 3, etc.
Invalid Allocation Component Percent Value	If the allocation method type is identified as "Percent" then the corresponding Percent Value must be greater than zero	You cannot have a negative percent identified in the Percent Value field in the Allocation Components table if "Percent" is identified in the Allocation Method Type field in the AllocationMethod Table
Invalid Reporting Element ID	The corresponding Parent Element identified incorrectly for the WBS Structure	The WBS Element ID is 1.1.1 and the Parent ID is 1.2 OR if the incorrect WBS Level is identified

Step 6: JSON Format Creation

Getting Started

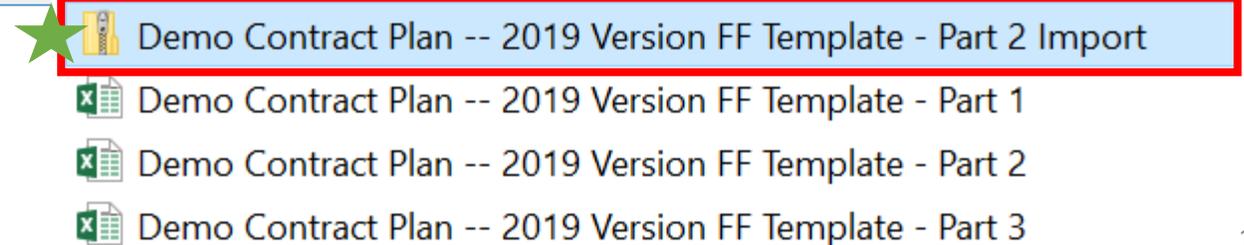
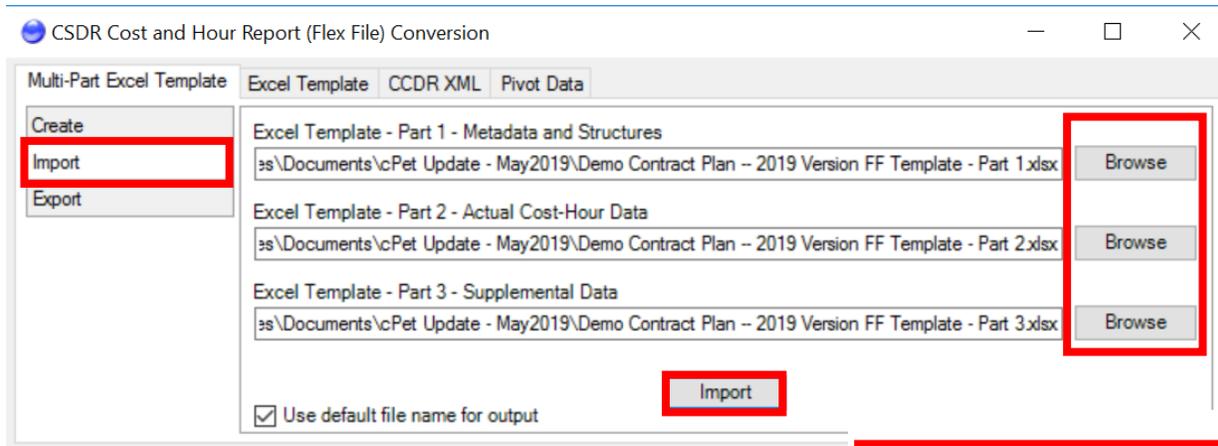
Create FlexFile & Q Excel Templates

Complete Data Model/Template

Import Excel Template into cPet

Validate FlexFile & Quantity Data Reports

- Once all identified errors have been addressed, and the Excel templates must be re-imported into the Conversion tool via **Browse > Select File & Upload > Import**
- cPet will generate a zipped JSON file that adheres to the DEI/FFS and can be ingested into CADE
- The JSON zipped file will auto-generate within the same source folder used to upload the Excel templates, which will be the official submission file





Generating a Quantity Data JSON File

Step 1: Access the Quantity Report Conversion Tool

Getting Started

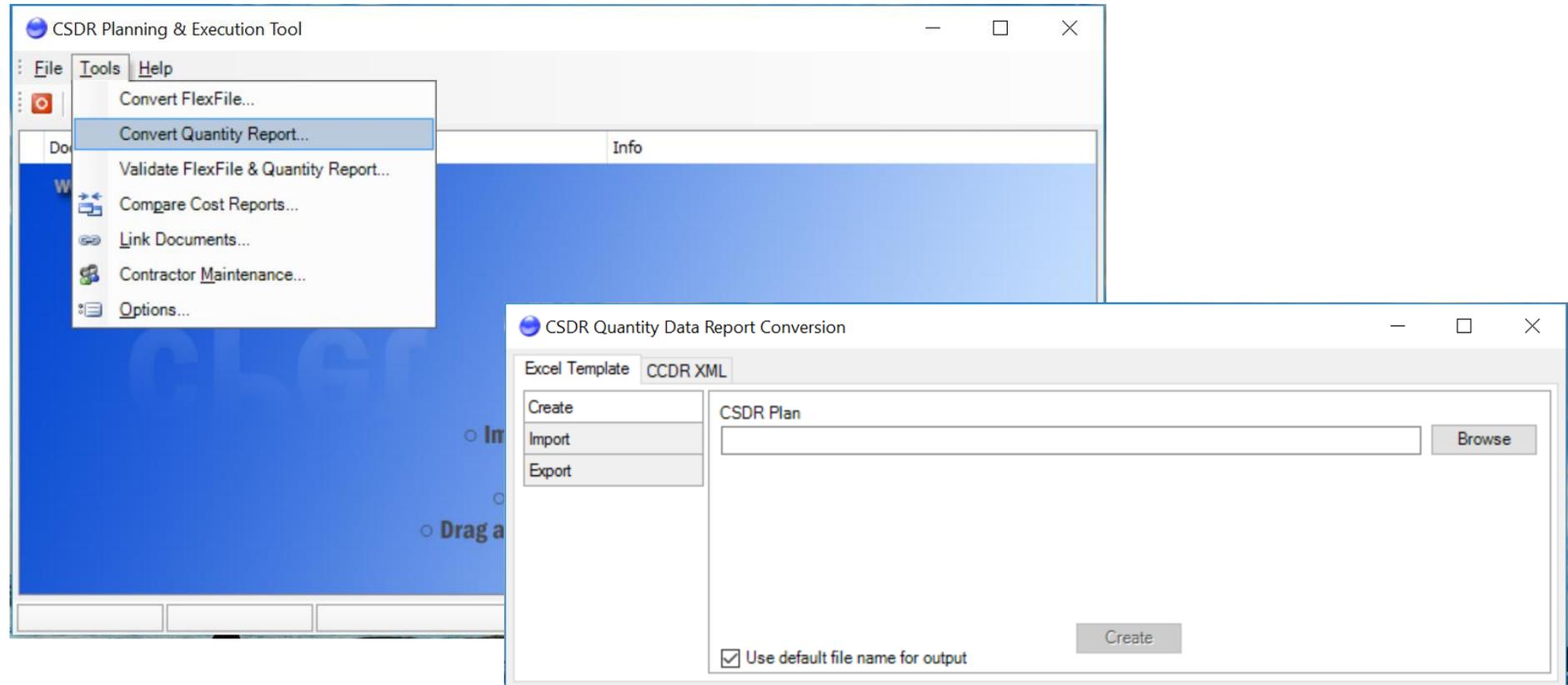
Create FlexFile &
Q Excel
Templates

Complete Data
Model/Template

Import Excel
Template
into cPet

Validate FlexFile &
Quantity Data
Reports

- In order to create the Quantity Data Report in Excel, the user must access the **Quantity Data Report Conversion Tool**
- Click **Tools > Convert Quantity Report**



Step 2: Create Quantity Excel Template from CSDR Plan

Getting Started

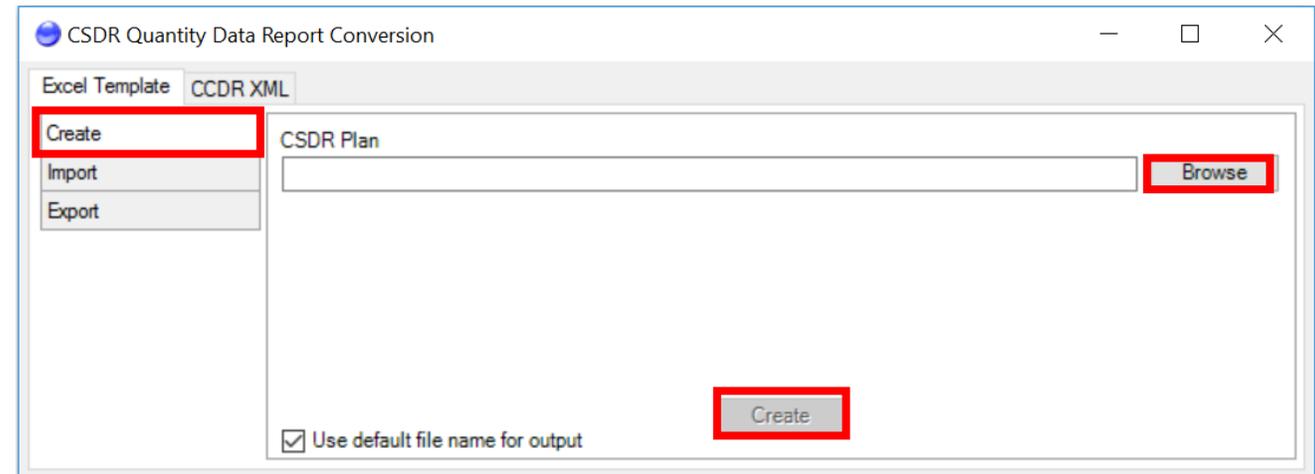
Create FlexFile &
Q Excel
Templates

Complete Data
Model/Template

Import Excel
Template
into cPet

Validate FlexFile &
Quantity Data
Reports

- The user can create a **Quantity Excel Template** from the approved CSDR (DD2794) XML Plan
- To create, click **Browse > Select XML DD2794 Plan > Create**
 - cPet will save the Excel templates to the original file where the user retrieved the DD 2794 source file



 DD2794 Electronic-Generic PROD CSDR Standard Plan Template Q Template

 DD2794 Electronic-Generic PROD CSDR Standard Plan Template.cplan

Step 3: Completing the Quantity Data Excel Template

Getting Started

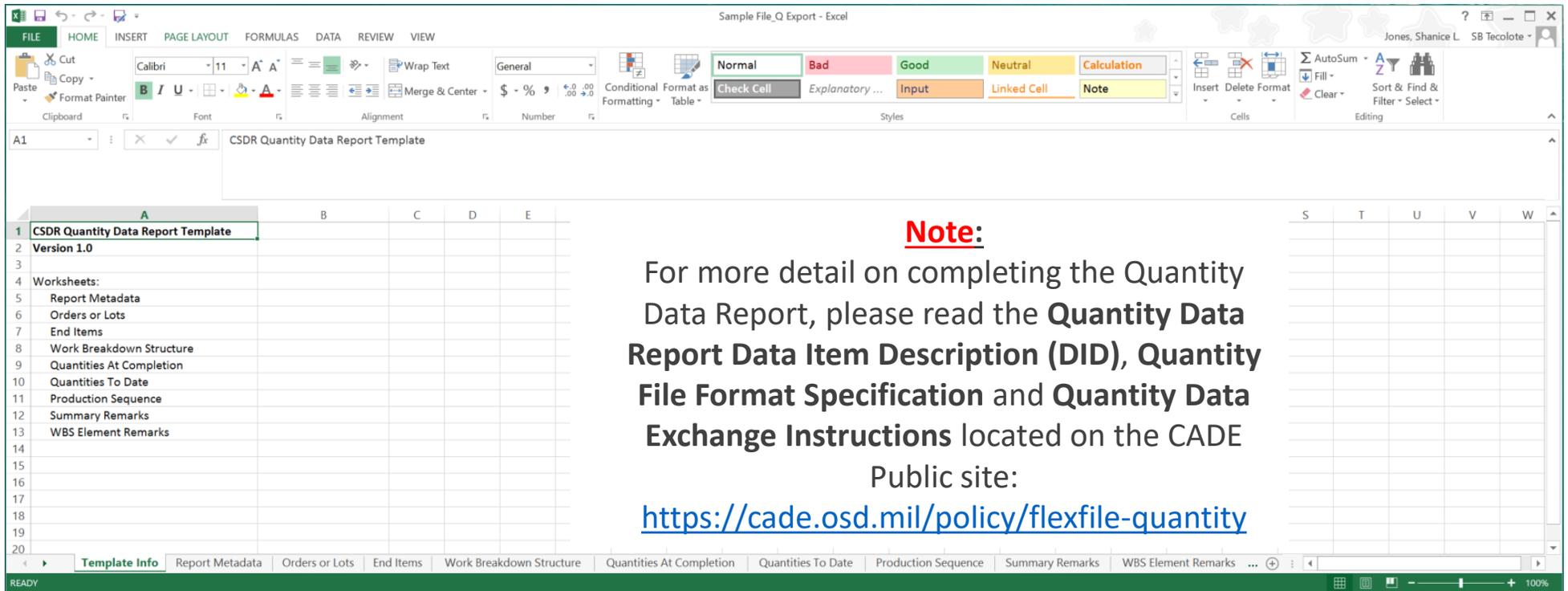
- Using the CSDR Plan, cPet will auto-populate a subset of the required Metadata, WBS, End Item, and Order/Lot fields as a starting point; it's now up to the user to complete the other required tables:

Create FlexFile & Q Excel Templates

Complete Data Model/Template

Import Excel Template into cPet

Validate FlexFile & Quantity Data Reports



Note:

For more detail on completing the Quantity Data Report, please read the **Quantity Data Report Data Item Description (DID)**, **Quantity File Format Specification** and **Quantity Data Exchange Instructions** located on the CADE Public site:

<https://cade.osd.mil/policy/flexfile-quantity>

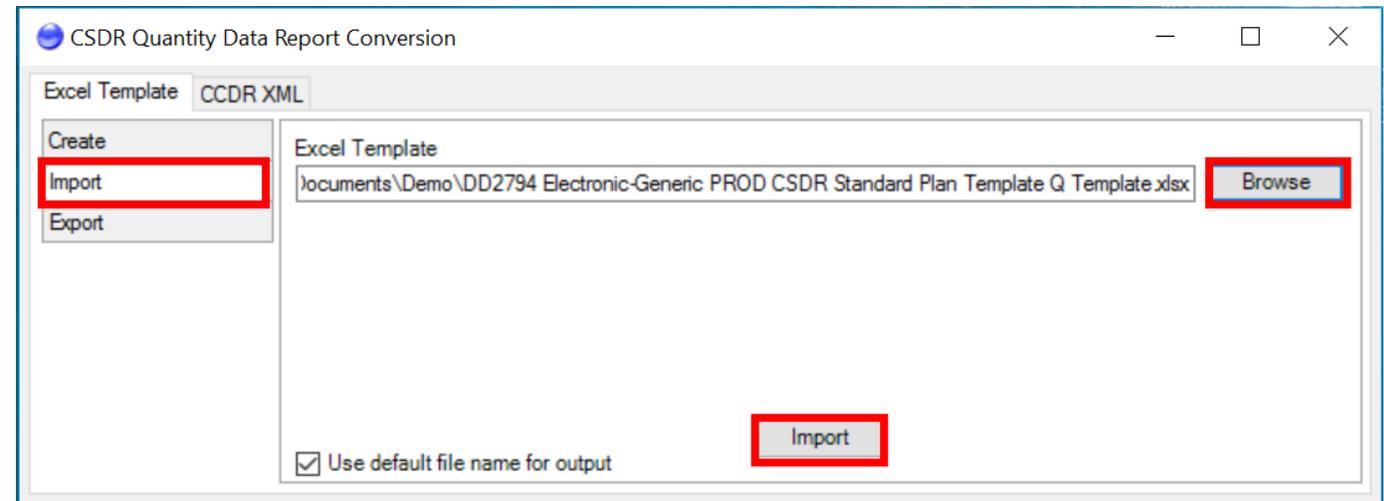
Step 4: File Format Validation



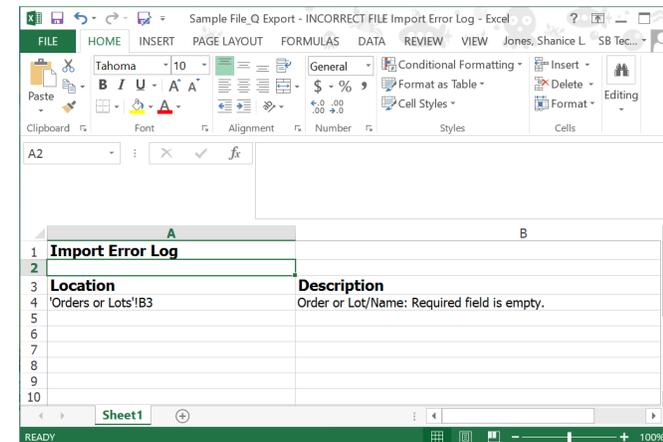
Getting Started

Create FlexFile &
Q Excel
TemplatesComplete Data
Model/TemplateImport Excel
Template
into cPetValidate FlexFile &
Quantity Data
Reports

- Once the Excel template is complete, the user can now **Import** the completed **Quantity Excel Template** into cPet to generate the **Quantity Import Error Log**
- Make sure Import is selected: Click **Browse > Select File & Upload > Import**
- cPet will generate an Excel report to show where the imported file does not adhere to the DEI/FFS
- This report will be located in the source folder where the templates are stored on the user's hard drive



A JSON file will not generate unless the files are compliant with the DEI/FFS



Step 5: File Format Validation: Error Reporting

Getting Started

- The format validation error report will generate an **Import Error Log** by error type, as defined in the Data Exchange Instructions (DEI) and File Format Specification (FFS)
- The error report will identify the error type, as well as the table and cell where the error exists
- The user must correct all identified errors listed by type across the identified tables and cells
- When all errors identified by the single error type are complete, the user must re-upload the Excel templates to generate the next error type
- The user should repeat this process until cPet does not identify any additional errors

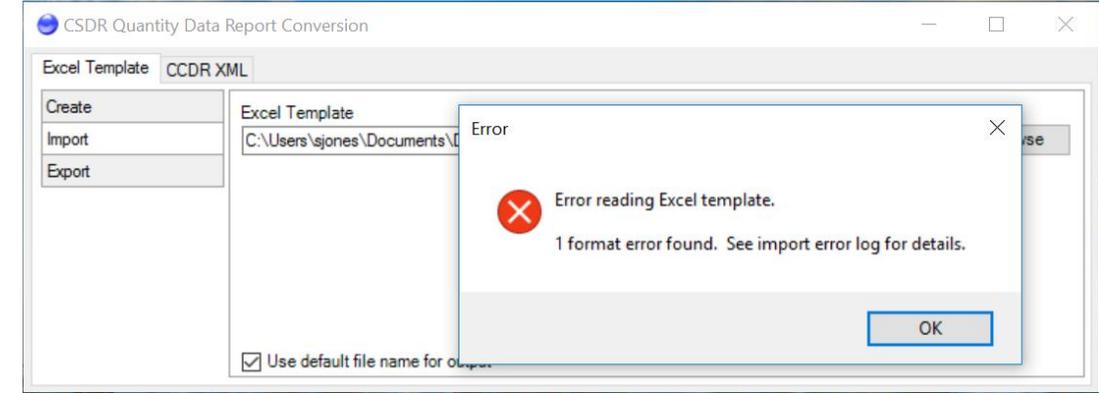
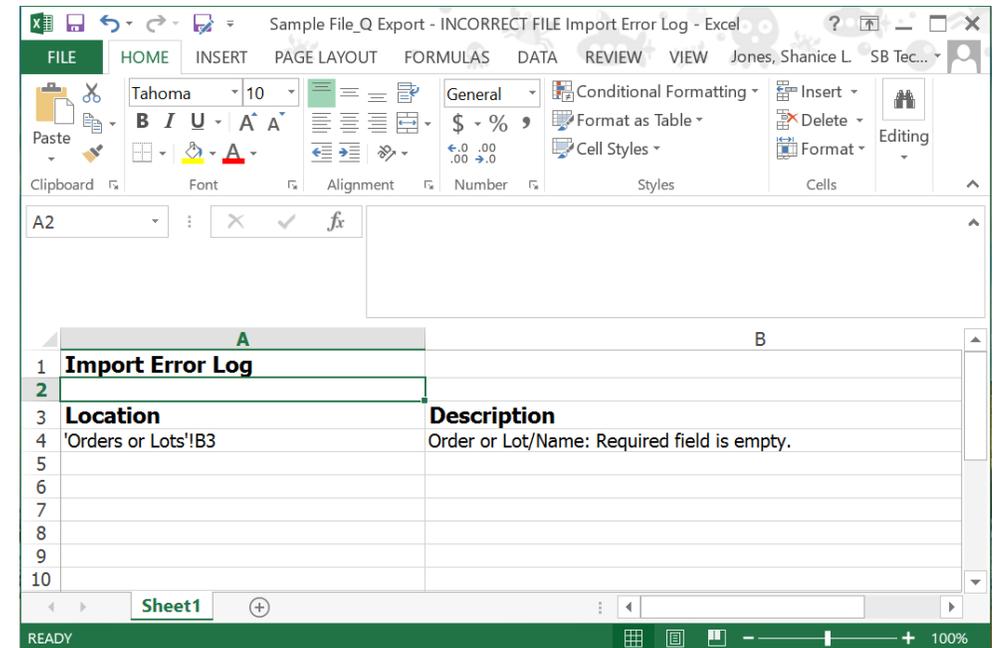
** See next slide for an entire list of the errors*

Create FlexFile & Q Excel Templates

Complete Data Model/Template

Import Excel Template into cPet

Validate FlexFile & Quantity Data Reports

Location	Description
'Orders or Lots'IB3	Order or Lot/Name: Required field is empty.



Quantity Format Errors

Getting Started

Create FlexFile & Q Excel Templates

Complete Data Model/Template

Import Excel Template into cPet

Validate FlexFile & Quantity Data Reports

Error	Explanation	Example
Invalid ID reference	A foreign key was reported that is not found in the corresponding data table	End Item ID "4" was reported in the Actual Cost Hour data table but was not found in the CLIN data table
Text value expected	The value reported is not a text value (i.e. string or string ID)	End Item ID "3" is being read in as the number 3 as opposed to a text value "3"
Integer value is expected	The value reported is not an integer	Reporting Period ID is being read in as "1" as opposed to the number 1
String value has invalid whitespace	The value reported has two or more consecutive whitespaces, whitespace at the beginning or end of the string	End Item Name "Variant A" has two spaces between the "Variant" and the "A"
Required field is empty	There is a blank value in a field that is identified as non-nullable by the FFS	End Item ID in the Actual Cost Hour data table is identified as non-nullable by the FFS
Conditionally required field is empty	There is a field that was left empty that is identified as conditional	If the contractor does not identify a Unit or Sublot ID in the Actual Cost Hour data table, then End Item ID must not be null
Conditionally prohibited field is not empty	There is a value in a field that is identified as conditional	If the contractor does identify a Unit Or Sublot ID in the Actual Cost Hour data table, then End Item ID must be null
Invalid Cost-Hour Datum WBS Element ID	Costs are being reported to a parent level WBS Element ID in the Actual Cost Hour table	Costs are being reported to WBS Element ID 1.1 when 1.1.1 is the lowest level of the WBS
Record is not unique	The same record is reported for a field that is identified as a primary key in the FFS	Account ID "000001" is reported twice in the Account data table
Invalid Reporting Period Start Date	The start date must be 1 day later than the end date of the previous record	The End Date of the previous record is 2/29/2016 and the next Start Date is 3/3/2016
Invalid Reporting Period ID	The order of record is significant for the reporting period and the records must have a sequential ID with the values starting at 1	The reporting period does not start at 1 OR the reporting period is not in sequential order 1, 2, 3, etc.
Invalid Allocation Component Percent Value	If the allocation method type is identified as "Percent" then the corresponding Percent Value must be greater than zero	You cannot have a negative percent identified in the Percent Value field in the Allocation Components table if "Percent" is identified in the Allocation Method Type field in the AllocationMethod Table
Invalid Reporting Element ID	The corresponding Parent Element identified incorrectly for the WBS Structure	The WBS Element ID is 1.1.1 and the Parent ID is 1.2 OR if the incorrect WBS Level is identified

Step 6: JSON Format Creation

Getting Started

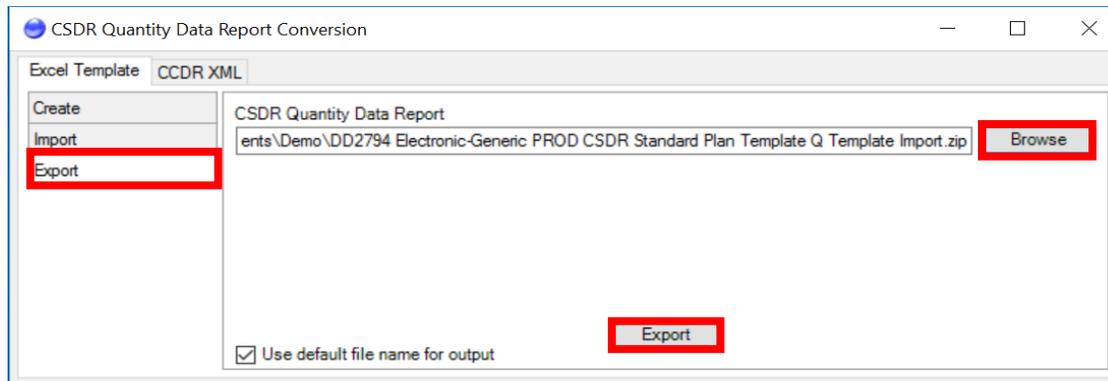
Create FlexFile & Q Excel Templates

Complete Data Model/Template

Import Excel Template into cPet

Validate FlexFile & Quantity Data Reports

- Once all identified errors have been addressed, and the Excel templates must be re-imported into the Conversion tool via **Browse > Select File & Upload > Import**
- cPet will generate a zipped JSON file that adheres to the DEI/FFS and can be ingested into CADE
- The JSON zipped file will auto-generate within the same source folder used to upload the Excel templates, which will be the official submission file



- ★ DD2794 Electronic-Generic PROD CSDR Standard Plan Template Q Template Import
- DD2794 Electronic-Generic PROD CSDR Standard Plan Template Q Template
- DD2794 Electronic-Generic PROD CSDR Standard Plan Template.cplan



FlexFile and Quantity Data & CSDR Plan Validation

Step 1: Upload CSDR Plan & FF/Q JSON Files

Getting Started

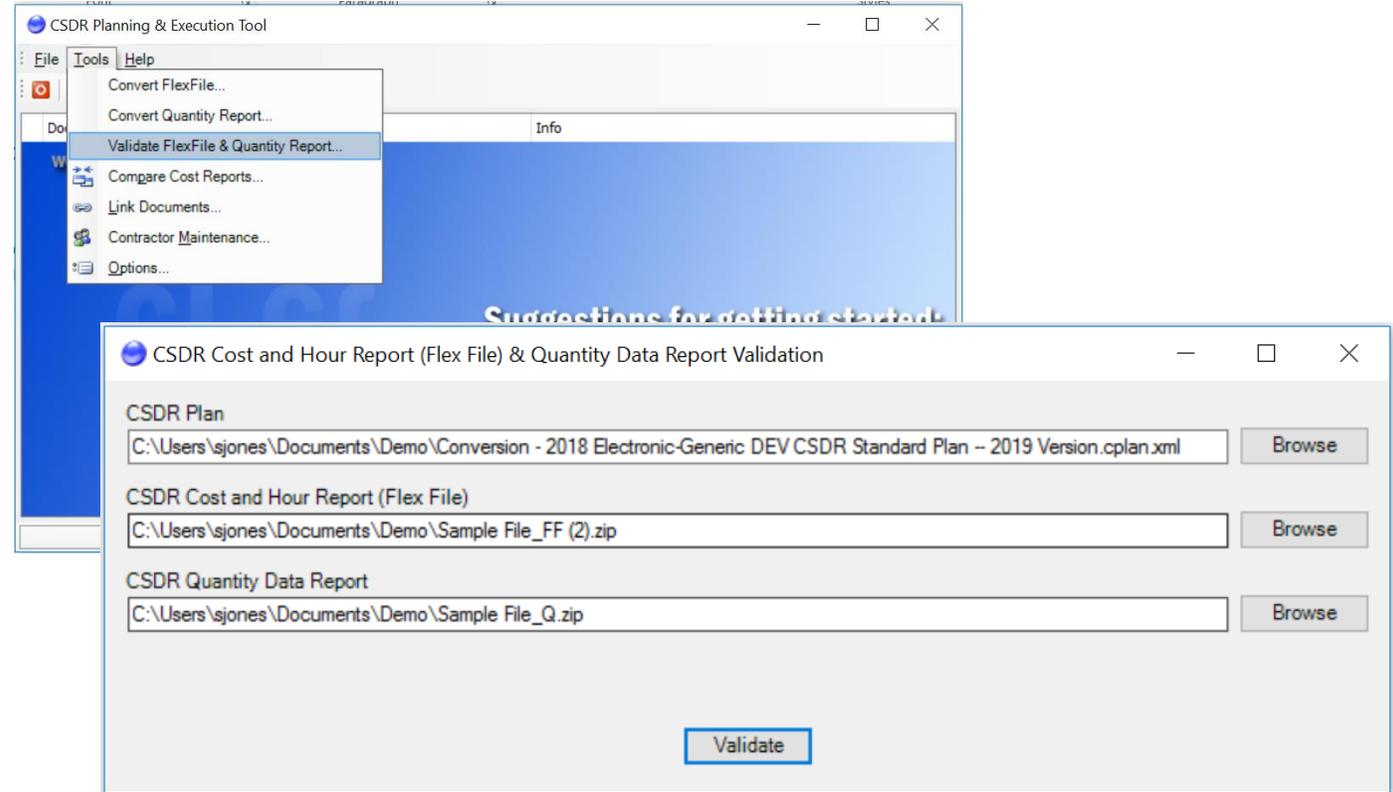
Create FlexFile & Q Excel Templates

Complete Data Model/Template

Import Excel Template into cPet

Validate FlexFile & Quantity Data Reports

- cPet allows the user to pre-validate data within the FlexFile & Quantity JSON files prior to submission in CADE
- Select **Tools > Validate FlexFile & Quantity Report**
- Browse and upload the FlexFile & Quantity Data Report JSON files
- **Browse > Select File & Upload > Validate**
- User will be prompted to save down the Validation Results in an Excel file within the source folder



Note:

Users can still validate the FlexFile if a Quantity Data Report is not available

Name

	Validation Results
	Sample File_FF (2) Pivot Data



FlexFile & Quantity Data Validation Errors

Getting Started

Create FlexFile & Q Excel Templates

Complete Data Model/Template

Import Excel Template into cPet

Validate FlexFile & Quantity Data Reports

Validation Type	Error Message	Severity
FlexFile Internal	Summary cost records must be included for all Orders/Lots.	Major
FlexFile Internal	Reported summary cost values must match calculated summary cost values.	Major
FlexFile Internal	Reporting calendar must not exceed contractual period of performance.	Major
FlexFile Internal	Reporting periods must be between 20 and 40 days in length.	Major
FlexFile Internal	Units/Sublots must have valid unit number ranges.	Major
FlexFile Internal	Unit/Sublot unit number ranges for a given End Item must not overlap.	Major
FlexFile vs Plan	Each reported Order/Lot must be identified in the CSDR Plan.	Major
FlexFile vs Plan	Each reported End Item must be identified in the CSDR Plan.	Major
FlexFile vs Plan	Each reported WBS Element must be identified in the CSDR Plan.	Major
FlexFile vs Plan	Each WBS Element indicated in the CSDR Plan must be included.	Major
FlexFile vs Plan	WBS parent elements must match those identified in the CSDR Plan.	Major
FlexFile vs Plan	At least two Units/Sublots must be reported for each pair of Order/Lot and End Item indicated in the CSDR Plan.	Major
Quantity Internal	Production Sequence Segments must have valid unit number ranges.	Major
Quantity Internal	Production Sequence Segment unit number ranges for a given End Item must not overlap.	Major
Quantity vs Plan	Each reported Order/Lot must be identified in the CSDR Plan.	Major
Quantity vs Plan	Each reported End Item must be identified in the CSDR Plan.	Major
Quantity vs Plan	Each reported WBS Element must be identified in the CSDR Plan.	Major
Quantity vs Plan	Each WBS Element indicated in the CSDR Plan must be included.	Major
Quantity vs Plan	WBS parent elements must match those identified in the CSDR Plan.	Major
Quantity vs Plan	At least one Production Sequence Segment must be reported for each pair of Order/Lot and End Item indicated in the CSDR Plan.	Major



Step 2: Viewing the Validation Error Results

Getting Started

Create FlexFile & Q Excel Templates

Complete Data Model/Template

Import Excel Template into cPet

Validate FlexFile & Quantity Data Reports

Rule Category	Rule Description	Importance	Validation Result	Error Count
FlexFile Internal	Summary cost records must be included for all Orders/Lots.	Major	Pass	0
FlexFile Internal	Reported summary cost values must match calculated summary cost values.	Major	Pass	0
FlexFile Internal	Reporting calendar must not exceed contractual period of performance.	Major	Pass	0
FlexFile Internal	Reporting periods must be between 20 and 40 days in length.	Major	Pass	0
FlexFile Internal	Units/Sublots must have valid unit number ranges.	Major	Pass	0
FlexFile Internal	Unit/Sublot unit number ranges for a given End Item must not overlap.	Major	Pass	0
FlexFile vs Plan	Each reported Order/Lot must be identified in the CSDR Plan.	Major	Fail	3
FlexFile vs Plan	Each reported End Item must be identified in the CSDR Plan.	Major	Fail	2
FlexFile vs Plan	Each reported WBS Element must be identified in the CSDR Plan.	Major	Fail	14
FlexFile vs Plan	Each WBS Element indicated in the CSDR Plan must be included.	Major	Fail	90
FlexFile vs Plan	WBS parent elements must match those identified in the CSDR Plan.	Major	Pass	0
FlexFile vs Plan	At least two Units/Sublots must be reported for each pair of Order/Lot and End Item indicated in the CSDR Plan.	Major	Pass	0
Quantity Internal	Production Sequence Segments must have valid unit number ranges.	Major	Pass	0
Quantity Internal	Production Sequence Segment unit number ranges for a given End Item must not overlap.	Major	Pass	0
Quantity vs Plan	Each reported Order/Lot must be identified in the CSDR Plan.	Major	Fail	3
Quantity vs Plan	Each reported End Item must be identified in the CSDR Plan.	Major	Fail	2
Quantity vs Plan	Each reported WBS Element must be identified in the CSDR Plan.	Major	Fail	14
Quantity vs Plan	Each WBS Element indicated in the CSDR Plan must be included.	Major	Pass	0
Quantity vs Plan	WBS parent elements must match those identified in the CSDR Plan.	Major	Pass	0
Quantity vs Plan	At least one Production Sequence Segment must be reported for each pair of Order/Lot and End Item indicated in the CSDR Plan.	Major	Pass	0

- The Validation Results will list all errors, as well as the severity
- Any error identified as **Major** could result in a rejection from DCARC
- The user should attempt to address all errors prior to submission of the JSON files in CADE



Generating Submission Reviewer Files 1921 Legacy & FlexFile Pivot

Submit-Review Government Reviewer Files

Getting Started

Create FlexFile &
Q Excel
Templates

Complete Data
Model/Template

Import Excel
Template
into cPet

Validate FlexFile &
Quantity Data
Reports

- When the FlexFile & Quantity JSON files are submitted and validated in CADE's CSDR Submit-Review application, Government Reviewer Files are generated:
 - FlexFile Pivot Data
 - Legacy 1921 views by Order/Lot
- These files will be used to review the submitted data

Validate: Review Results

Flex File	FF Excel Template	FF Pivot Data	Quantity Data Report	Q Excel Template	File(s) Current	Date Generated
Sample File.zip			Sample File.zip		<input type="checkbox"/>	4/30/2019 12:09:41 PM  

CCDR Report Name	Major Error Count	Minor Error Count
Lot 1	39	22
Lot 2	39	22
Lot 3	39	22
Lot 4	39	10
Lot 5	39	10



Submit-Review Government Reviewer Files: Legacy 1921

Getting Started

Create FlexFile & Q Excel Templates

Complete Data Model/Template

Import Excel Template into cPet

Validate FlexFile & Quantity Data Reports

- The legacy 1921 format is generated to verify that the FlexFile and Quantity data can be summarized at the same level as the historical data
- Data Submitters and Reviewers have access to view the following:
 - User Interface view of the 1921
 - Excel export of the 1921
 - Flat file export of the 1921

Report Name: Lot 1

Header Data | 1921 Cost Data

Formatted File Export | Export to Excel

WBS ELEMENT CODE	WBS REPORTING ELEMENTS	NUMBER OF UNITS TO DATE	COSTS INCURRED TO DATE (thousands of U.S. Dollars)			NUMBER OF UNITS AT COMPLETION	COSTS INCURRED AT COMPLETION (thousands of U.S. Dollars)		
			NONRECURRING	RECURRING	TOTAL		NONRECURRING	RECURRING	TOTAL
1.0	TOTAL	10	\$4452822977.0	\$4449920771.0	\$8902743748.0	10/0	\$4452822977.0	\$4449920771.0	\$8902743748.0
1.1	Subsystem 1.1	20	\$3598704958.0	\$3594763883.0	\$7193468841.0	20/0	\$3598704958.0	\$3594763883.0	\$7193468841.0
1.1.1	Subsystem 1.1.1	0	\$15571725.0	\$15540979.0	\$31112704.0	0	\$15571725.0	\$15540979.0	\$31112704.0
1.1.2	Subsystem 1.1.2	200	\$36076646.0	\$36099436.0	\$72176082.0	200/0	\$36076646.0	\$36099436.0	\$72176082.0
1.1.3	Subsystem 1.1.3	0	\$105062496.0	\$104141873.0	\$209204369.0	0	\$105062496.0	\$104141873.0	\$209204369.0
1.1.4	Subsystem 1.1.4	0	\$3205411874.0	\$3201941379.0	\$6407353253.0	0	\$3205411874.0	\$3201941379.0	\$6407353253.0
1.1.4.1	Subsystem 1.1.4.1	0	\$811353545.0	\$810383227.0	\$1621736772.0	0	\$-	\$-	\$-
1.1.4.2	Subsystem 1.1.4.2	0	\$1271507537.0	\$1268989134.0	\$2540496671.0	0	\$-	\$-	\$-
1.1.4.3	Subsystem 1.1.4.3	0	\$15901322.0	\$15945578.0	\$31846900.0	0	\$-	\$-	\$-
1.1.4.4	Subsystem 1.1.4.4	0	\$679893027.0	\$682025741.0	\$1361919768.0	0	\$-	\$-	\$-
1.1.4.5	Subsystem 1.1.4.5	0	\$74647228.0	\$75129132.0	\$149776360.0	0	\$-	\$-	\$-
1.1.4.6	Subsystem 1.1.4.6	0	\$352109215.0	\$349468567.0	\$701577782.0	0	\$-	\$-	\$-
1.1.5	Subsystem 1.1.5	0	\$236582217.0	\$237040216.0	\$473622433.0	0	\$236582217.0	\$237040216.0	\$473622433.0
1.1.5.1	Subsystem 1.1.5.1	0	\$11504988.0	\$11503700.0	\$23008688.0	0	\$-	\$-	\$-
1.1.5.2	Subsystem 1.1.5.2	0	\$18999518.0	\$19017065.0	\$38016583.0	0	\$-	\$-	\$-
1.1.5.3	Subsystem 1.1.5.3	0	\$21234824.0	\$21293666.0	\$42528490.0	0	\$-	\$-	\$-
1.1.5.4	Subsystem 1.1.5.4	0	\$50216239.0	\$50251521.0	\$100467760.0	0	\$-	\$-	\$-
1.1.5.5	Subsystem 1.1.5.5	0	\$17939627.0	\$17985623.0	\$35925250.0	0	\$-	\$-	\$-
1.1.5.6	Subsystem 1.1.5.6	0	\$116687021.0	\$116988641.0	\$233675662.0	0	\$-	\$-	\$-
1.2	Subsystem 1.2	0	\$46416008.0	\$46624880.0	\$93040888.0	0	\$46416008.0	\$46624880.0	\$93040888.0
1.3	Subsystem 1.3	0	\$432744539.0	\$432534470.0	\$865279009.0	0	\$432744539.0	\$432534470.0	\$865279009.0
1.3.1	Subsystem 1.3.1	0	\$349900225.0	\$349585498.0	\$699485723.0	0	\$349900225.0	\$349585498.0	\$699485723.0
1.3.2	Subsystem 1.3.2	0	\$60594104.0	\$60678795.0	\$121272899.0	0	\$60594104.0	\$60678795.0	\$121272899.0
1.3.3	Subsystem 1.3.3	0	\$22250210.0	\$22270177.0	\$44520387.0	0	\$22250210.0	\$22270177.0	\$44520387.0
1.4	Subsystem 1.4	0	\$284262687.0	\$285042728.0	\$569305415.0	0	\$284262687.0	\$285042728.0	\$569305415.0
1.5	Subsystem 1.5	0	\$90694785.0	\$90954810.0	\$181649595.0	0	\$90694785.0	\$90954810.0	\$181649595.0
	Subtotal Cost				\$8902743748.0				\$8902743748.0
	Reporting Contractor G&A				\$996360003.0				\$996360003.0
	Reporting Contractor Undistributed Budget				\$-				\$43417833.0
	Reporting Contractor Management Reserve				\$-				\$431962377.0
	Reporting Contractor FCM				\$99829542.0				\$99829542.0
	Total Cost				\$-				\$-
	Reporting Contractor Profit/Loss or Fee				\$-				\$479638205.0
	Total Price				\$-				\$414953833.0

Remarks
These remarks are intended to appear on a DD Form 1921 for Lot 1

Generating & Viewing Legacy 1921 XML in cPet

Getting Started

Create FlexFile & Q Excel Templates

Complete Data Model/Template

Import Excel Template into cPet

Validate FlexFile & Quantity Data Reports

- cPet allows the user to generate the 1921 data to view, validate, and verify prior to submission of the FlexFile & Quantity JSON formats
- Click **Tools > Convert FlexFile >** Select the **CCDR XML** tab
- Browse and upload your **CSDR Cost and Hour Report (Flex File)** and **CSDR Quantity Data Report** (*If you have a Flex File generated, you do not need to upload a Quantity Data Report*) > Click **Export**
- The 1921 files will save down as XML files within the user's source folder.

The screenshot shows a software window titled "CSDR Cost and Hour Report (Flex File) Conversion". It has four tabs: "Multi-Part Excel Template", "Excel Template", "CCDR XML", and "Pivot Data". The "CCDR XML" tab is active. On the left, there is an "Export" button. The main area contains two input fields with "Browse" buttons:

- CSDR Cost and Hour Report (Flex File): `>date - May2019\Archive\cPet Demo_Files_2019\FlexFile-Quantity Demo Files\Sample File_FF (2).zip`
- CSDR Quantity Data Report: `#t Update - May2019\Archive\cPet Demo_Files_2019\FlexFile-Quantity Demo Files\Sample File_Q.zip`

Below the input fields is a table showing the generated files:

Sample File_FF (2) (1).1921	9/20/2019 10:11 AM	XML Document	23 KB
Sample File_FF (2) (2).1921	9/20/2019 10:11 AM	XML Document	23 KB
Sample File_FF (2) (3).1921	9/20/2019 10:11 AM	XML Document	23 KB
Sample File_FF (2) (4).1921	9/20/2019 10:11 AM	XML Document	16 KB
Sample File_FF (2) (5).1921	9/20/2019 10:11 AM	XML Document	16 KB

Generating & Verifying FlexFile Pivot Data in cPet

Getting Started

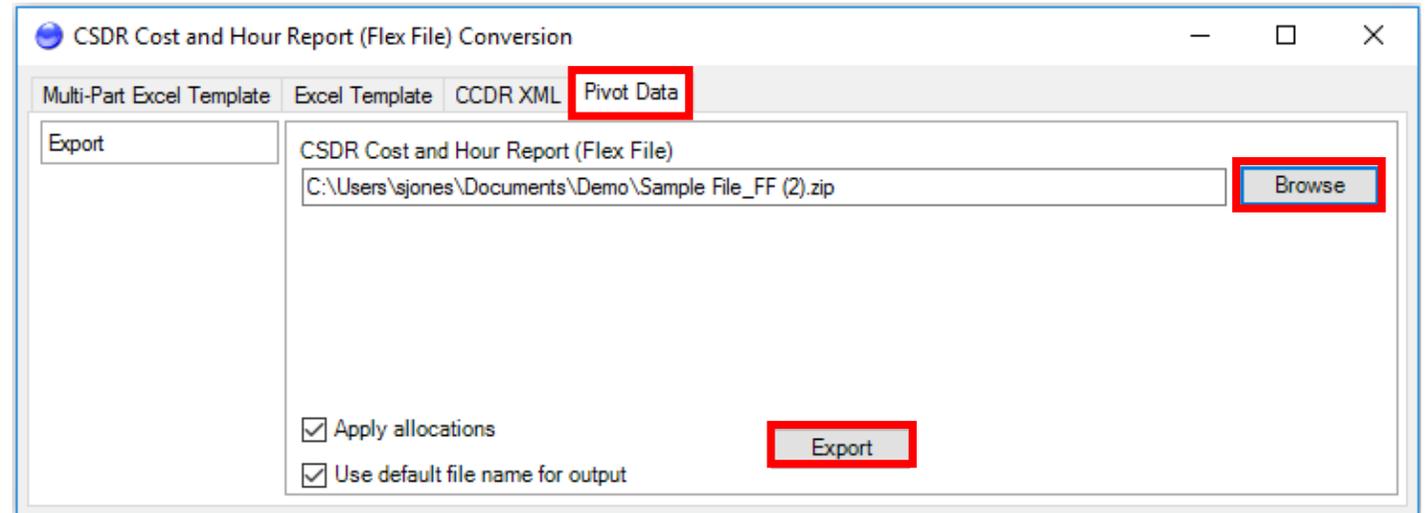
Create FlexFile &
Q Excel
Templates

Complete Data
Model/Template

Import Excel
Template
into cPet

Validate FlexFile &
Quantity Data
Reports

- cPet allows the user to generate the FlexFile Pivot data to view and verify prior to submission of the FlexFile & Quantity JSON formats
- From the FlexFile Conversion tool, ensure **Pivot Data** is selected:
 - Click **Browse > Select FlexFile JSON File> Click Export**
- User will be prompted to save the FlexFile Pivot Data in an Excel file within the source folder



Name

 Sample File_FF (2) Pivot Data

 ex.cplan